	Application No.	Applicant(s)
Notice of Allowability	10/706,723	ROBINSON, IAN
	Examiner	Art Unit
	Joseph Lauture	2819
The MAILING DATE of this communication apperation apperation all claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIOF of the Office or upon petition by the applicant. See 37 CFR 1.313	ears on the cover sheet with to (OR REMAINS) CLOSED in this or other appropriate communic GHTS. This application is subjected and MPEP 1308.	s application. If not included ation will be mailed in due course. THIS
1. This communication is responsive to <u>correspondence rece</u>	<u>ived 0//0//04</u> .	
2. X The allowed claim(s) is/are <u>1,2,4-22 and 24-28</u> .		
3. 🖾 The drawings filed on 12 November 2003 are accepted by the Examiner.		
4. ☐ Acknowledgment is made of a claim for foreign priority una) ☐ All b) ☐ Some* c) ☐ None of the: 1. ☐ Certified copies of the priority documents have 2. ☐ Certified copies of the priority documents have 3. ☐ Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submained including changes required by the Notice of Draftspers 1) ☐ hereto or 2) ☐ to Paper No./Mail Date (b) ☐ including changes required by the attached Examiner's Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in to the deponant of	e been received. e been received in Application Notuments have been received in of this communication to file a release to the attached EXAMII es reason(s) why the oath or dest be submitted. End of this application. Son's Patent Drawing Review (Formula at the submitted at the	this national stage application from the eply complying with the requirements NER'S AMENDMENT or NOTICE OF claration is deficient. PTO-948) attached the Office action of elements in the front (not the back) of 1.121(d). AL must be submitted. Note the
Attachment(s) 1. ☐ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	6. ⊠ Interview Sumr Paper No./Ma 08), 7. ⊠ Examiner's Am	

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Examiner's Amendment

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Christopher Harris on 07/29/2004.

In claim 1, line 8, replace "filter" (second occurrence) with -- analog filter --.

In claim 1, line 11, replace "noise" with --noise ratio--.

In claim 7, line 1, replace "the respective" with --a respective--.

In claim 8, line 1, delete "the assembly" (second occurrence).

In claims 9 and 11, lines 1 respectively, replace "the filter" with --the analog filter--.

In claim11, line 3, replace "the filter" with --the analog filter-.

In claim 9, line 2, replace "passbands" with --associated passband--.

In claims 16 and 17, lines 2 respectively, replace "the frequency" with --a frequency--.

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Allowable Subject Matter

The following is an examiner's statement of reasons for allowance: the prior arts of record fail to teach a digital-to-analog converter assembly, comprising: a delta-sigma modulator that processes a digital input signal to produce a digital output signal having at least one high dynamic range frequency band; a digital-to-analog converter that converts the digital output signal into an analog output signal having the at least one high dynamic range frequency band; an analog filter assembly that filters the analog signal, the analog filter having at least one associated passband; and a comb filter assembly that attenuates the output of the filter assembly to provide a plurality of attenuating nulls and being tuned such that the attenuating nulls are centered at selected locations within the at least one high dynamic range frequency band of the analog output signal, such that the overall wanted signal to noise ratio of the system is improved.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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CONTACT INFORMATION

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Joseph Lauture, whose telephone number is (571) 272-1805. The examiner can normally be reached Monday thru Friday between 9:30 am and 6:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael Tokar can be reached at (571) 272-1812. The fax number for the organization to which this application is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the group receptionist whose telephone number is (571) 272-1562.

Joseph Lauture

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Date: 07/29/2004

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